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Common.pdf

# **Fault Protected Rs 485 Transceivers With Extended Common**

Fault-Protected RS-485 Transceiver With  
Extended Common ... Fault Protected,  
Extended Common Mode Range, RS-485/RS-  
422 ...  $\pm 60\text{V}$  Fault Protected,  $3.3\text{V}$  to  $5\text{V}$ ,  
 $\pm 20\text{V}$  Common-Mode Range ... Fault  
Protected Rs 485 Transceivers With Extended  
Common Level 4 EMC Protected RS-485  
Transceiver with Full  $42\text{ V}$  ... Fault Protected  
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Fault Protected, Extended CMR, RS-485/RS-

422 Transceivers ... Fault Protected Rs 485

Transceivers With Extended Common  $\pm 60V$

Fault Protected, 5V, RS-485/RS-422

Transceivers with ... Fault Protected Rs 485

Transceivers With Extended Common Fault

Protected Rs 485 Transceivers With Extended

Common  $\pm 40V$  Fault Protected, 3.3V to 5V,

$\pm 15V$  Common Mode Range ...  $\pm 60V$  Fault

Tolerant 3.0V to 5.5V RS-485/RS-422

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Transceivers With Extended Common Fault

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Common LT1785 and LT1791: 60V, Fault-

Tolerant RS485/RS422 ... Fault Protected Rs

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Fault Protected Rs 485 Transceivers With

Extended Common Level 4 EMC Protected

RS-485 Transceiver with Full 42 V ... Fault

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Common  $\pm 60\text{V}$  Fault Protected, 3.3V to 5V,  
 $\pm 20\text{V}$  Common Mode Range ... SN65HVD2x

Extended Common-Mode RS-485

Transceivers ISL31483E, ISL31485E

Datasheet LTC2862A -  $\pm 60\text{V}$  Fault Protected  
3V to 5.5V RS485/RS422 ... New RS-485 IC

Increases System Reliability and Fault ...

RS422-RS485 Application Guide - B&B Elec

Fault-Protected RS-485 Transceivers With  
Extended Common-Mode Range Check for  
Samples: SN65HVD1792-EP 1FEATURES

- Bus-Pin Fault Protection to  $> \pm 70\text{ V}$

APPLICATIONS • Common-Mode

Voltage Range ( $-20\text{ V}$  to  $25\text{ V}$ ) • Designed  
for RS-485 and RS-422 Networks More

Than Doubles TIA/EIA 485 Requirement •

Bus I/O Protection SUPPORTS DEFENSE

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Fault Protected, Extended Common Mode Range, RS-485/RS-422 Transceivers ISL31470E, ISL31472E, ISL31475E, ISL31478E The ISL31470E, ISL31472E, ISL31475E, ISL31478E are fault protected, extended common mode range differential transceivers that exceed the RS-485 and RS-422 standards for balanced communication. The RS-485 bus pins (driver outputs ...

$\pm 60V$  Fault Protected, 3.3V to 5V,  $\pm 20V$  Common-Mode Range, RS-485/RS-422 Transceivers with Cable Invert and  $\pm 15kV$  ESD ISL32450E, ISL32452E, ISL32453E, ISL32455E, ISL32457E, ISL32458E, ISL32459E The ISL32450E through

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ISL32459E are 3.3V to 5V powered, fault protected, extended common-mode range differential transceivers for balanced communication.

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**Common**RS-485/RS-422 transceivers that feature  $\pm 65V$  protection. These devices are designed for overvoltage signal faults on communication bus lines, ensuring communication in harsh industrial environments. MAX14775E/MAX14776E RS-485/RS-422 Transceivers - Maxim ...

are possible. The combination of extended common-mode input voltage range, overvoltage fault protection, surge

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protection, EFT protection, and ESD protection make the . ADM3095E. a completely integrated electromagnetic compatibility (EMC) protected RS -485 transceiver. The . ADM3095Ealso features a logic supply pin, V IO, for a flexible

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Fault Protected, Extended CMR, RS-485/RS-422 Transceivers with Cable Invert and  $\pm 16.5\text{kV}$  ESD ISL32483E, ISL32485E The ISL3248xE are fault protected, 5V powered differential transceivers that exceed the RS-485 and RS-422 standards for balanced communication. The RS-485 ...

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as search for them. In some cases, you  
likewise pull off not ...

The RS-485 transceiver pins (driver outputs and receiver inputs) are protected against faults up to  $\pm 60V$ . Additionally, the extended common mode range allows these transceivers to operate in environments with common mode voltages up to  $\pm 25V$  ( $>2x$  the RS-485 requirement), making this RS-485 family one of the most robust on the market ...

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Range, RS-485/RS-422 Transceivers With  
Cable Invert and  $\pm 15\text{kV}$  ESD ISL32430E,  
ISL32432E, ISL32433E, ISL32435E,

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ISL32437E The ISL32430E through ISL32437E are 3.3V to 5V powered, fault protected, extended common mode range differential transceivers for balanced communication. The RS-485 bus pins (driver outputs

high performance RS-485/RS-422 devices are designed for improved performance in noisy industrial environments and increased tolerance to system faults. The analog bus pins can withstand direct shorts up to  $\pm 60V$  and are protected against ESD events up to  $\pm 15kV$  HBM. An extended  $\pm 25V$  common mode operating range allows for more reliable operation in

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a comprehensive volume of applied circuit  
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LT1785 and LT1791: 60V, Fault-Tolerant  
RS485/RS422 Transceivers. by Gary

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Maulding Download PDF Introduction. The LT1785 and LT1791 RS485/RS422 transceivers with  $\pm 60\text{V}$  fault tolerance solve a real-world problem of field failures in RS485 interface circuits. RS485 and RS422 data networks are used in a wide variety of data-communications applications.

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21/5/2021 · Read Free **Fault Protected Rs 485 Transceivers With Extended Common** Wescon Overvoltage Protection of Low-Voltage Systems, Revised Edition A Comprehensible Guide to Controller Area Network Seventh International Conference on Metering Apparatus and Tariffs for Electricity Supply, 17-19 November 1992

are possible. The combination of extended common-mode input voltage range, overvoltage fault protection, surge protection, EFT protection, and ESD protection make the . ADM3095E. a completely integrated electromagnetic

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compatibility (EMC) protected RS -485  
transceiver. The . ADM3095Ealso features  
a logic supply pin, V IO, for a flexible

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Range, RS-485/RS-422 Transceivers with  
Cable Invert and  $\pm 15\text{kV}$  ESD ISL32450E,  
ISL32452E, ISL32453E, ISL32455E,  
ISL32457E The ISL32450E through  
ISL32457E are 3.3V to 5V powered, fault  
protected, extended common mode range

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differential transceivers for balanced communication. The RS-485 bus pins (driver outputs

The transceivers in the SN65HVD2x family offer performance far exceeding typical RS-485 devices. In addition to meeting all requirements of the TIA/EIA-485-A standard. The SN65HVD2x family operates over an extended range of common-mode voltages and has features such as high ESD protection, wide receiver hysteresis, and failsafe operation.

Fault Protected, Extended CMR, RS-485/RS-422 Transceivers with Cable Invert  
DATASHEET The ISL31483E and ISL31485E are fault protected, 5V powered

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differential transceivers that exceed the RS-485 and RS-422 standards for balanced communication. The RS-485 transceiver pins (driver outputs and receiver inputs) are fault protected up to  $\pm 60V$ .

RS485 Link With Large Ground Loop  
Voltage Features applications n Protected  
from Overvoltage Line Faults to  $\pm 60V$  n 3V  
to 5.5V Supply Voltage n 20Mbps or Low  
EMI 250kbps Data Rate n  $\pm 40kV$  HBM  
ESD Interface Pins,  $\pm 15kV$  Other Pins n  
Enhanced Receiver and Failsafe Noise  
Immunity n IEC Level 4 ESD and EFT on  
Interface Pins n Extended Common Mode ...

Keywords: RS-485, rs485, transceivers, EIA-TIA-485, 15kV ESD protected, fail safe,



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high common-mode voltage, high CMR, fault detection, motor control, optical encoder, high-reliability, ESD protection  
APPLICATION NOTE 578 New RS-485 IC Increases System Reliability and Fault Detection in Motor-Control Circuits Apr 01, 2001 Abstract: Applying a ...

receivers. Up to 32 RS-485 transceivers can occupy a bus. RS-422/485 systems can communicate at rates up to 10 Mbps (though most systems operate at lower bit rates). Both systems utilize balanced outputs and differential inputs, which provide better noise immunity than single-ended systems such as RS ...

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